

AMENDMENT TO THE TITLE:

Please replace the present title with the following:

--STRATOSPHERIC-BASED COMMUNICATION SYSTEM FOR MOBILE
USERS HAVING CROSS-CANCELING INTERFERENCE CANCELLATION
REJECTION--

AMENDMENT TO THE SPECIFICATION:

Please replace the paragraph beginning on page 9, line 20 and ending on page 10, line 6 with the following replacement paragraph which has been marked up to show the changes:

A1
--Referring now to Figure 3, the digital beam former circuit 42 is also used to receive signals from the stratospheric platform 18. The digital beam former receives a signal from the first user plus interference from a second user as represented by box 70. The gateway station also receives a second signal from the user that includes interference from the first user. That is, the first beam and the second beam from the first user and the second user include cross interference. A first subtracting block 74 and a second subtracting block 76 are used to eliminate interference in the respective signals. That is, subtracting block 74 receives the user second signal ~~plus interference~~ from the first second user and subtracts it from the first signal having the ~~receive~~ signal from the first user plus interference from the second user. Preferably, the second signal is weighted prior to subtracting. These weights are illustrated by $W1$ and $\Phi1$. The output of the subtraction block 74 is block 78 from which the first user signal or first beam without the interference from user 2 is present.--